

Friesen

Attorney Docket No. P05453US0

Amendments to the Claims

Claim 1 (Currently amended): An improved trailer for transporting a bulk seed box, the box having first and second sidewalls, a bottom, a top, and a flange extending along the sidewalls adjacent the bottom of the box, the trailer comprising:
a wheeled bed for supporting a bulk seed box, the bed having a perimeter edge;
a hopper extending below the bed for receiving seed from the bulk seed box;
a conveyor operatively connected to the hopper for unloading seed from the hopper; and
the bed having guide plates inclining upwardly and outwardly from the perimeter edge of the bed to facilitate centering of the box on the bed.

Claim 2 (Original): The improved trailer of claim 1 wherein the bed has four corners and the guide plates are located at the corners of the bed.

Claim 3 (Original): The improved trailer of claim 1 further comprising lock bars on the bed to overlappingly engage the flange of the seed box to secure the seed box to the bed.

Claim 4 (Original): The improved trailer of claim 3 wherein each lock bar is pivotally connected to the bed for movement between unlocked and locked positions.

Claim 5 (Original): The improved trailer of claim 4 further comprising pins on the bed adapted to selectively engage a portion of the lock bars to maintain the lock bars in the locked positions.

Claim 6 (Original): The improved trailer of claim 3 wherein the bed has a front end, a back end, and opposite sides, and the lock bars extend between opposite sides adjacent the front and back ends.

Friesen

Attorney Docket No. P05453US0

Claim 7 (Original): The improved trailer of claim 3 wherein the lock bars are pivotally mounted on the guide plates.

Claim 8 (Original): The improved trailer of claim 1 wherein the conveyor extends laterally away from the first sidewall, and the hopper includes a gate moveable between a closed position for retaining seed in the hopper and an open position for discharging seed from the hopper, and having a control arm connected to the gate and extending toward the first sidewall adjacent the conveyor.

Claim 9 (Original): The improved trailer of claim 1 wherein the conveyor is an auger including a first inner section and a second outer section pivotally attached to the first section for movement between transport and discharge positions, and including a gas cylinder to facilitate movement of the second section between the transport and discharge positions.

Claim 10 (Previously presented): An improved trailer for transporting a bulk seed box, the box having first and second sidewalls, a bottom, a top, and a flange extending along the sidewalls adjacent the bottom of the box, the trailer comprising:

- a wheeled bed for supporting a bulk seed box, the bed having a perimeter edge;
- a hopper extending below the bed for receiving seed from the bulk seed box;
- a conveyor operatively connected to the hopper for unloading seed from the hopper;
- lock bars on the bed to overlappingly engage the flange on the seed box to secure the seed box to the bed; and

each lock bar being pivotally connected to the bed for movement between an unlocked position spaced outwardly from the perimeter edge of the bed and a locked position spaced inwardly from the perimeter edge of the bed.

Claim 11 (Cancelled)

Friesen

Attorney Docket No. P05453US0

Claim 12 (Previously presented): The improved trailer of claim 10 further comprising pins on the bed adapted to selectively engage a portion of the lock bars to maintain the lock bars in the locked positions.

Claim 13 (Original): The improved trailer of claim 10 wherein the bed has a front end, a back end, and opposite sides, and the lock bars extend between opposite sides adjacent the front and back ends.

Claim 14 (Original): The improved trailer of claim 10 further comprising guide plates extending upwardly and outwardly from the bed to facilitate centering of the box on the bed.

Claim 15 (Previously presented): The improved trailer of claim 14 wherein the lock bars are pivotally mounted on the guide plates.

Claim 16 (Cancelled)

Claim 17 (Previously presented): The improved trailer of claim 15 wherein the bed has four corners and the guide plates are located at the corners of the bed.

Claim 18 (Original): The improved trailer of claim 10 wherein the conveyor extends laterally away from the first sidewall, and the hopper includes a gate moveable between a closed position for retaining seed in the hopper and an open position for discharging seed from the hopper, and having a control arm connected to the gate and extending toward the first sidewall adjacent the conveyor.

Claim 19 (Original): The improved trailer of claim 10 wherein the conveyor is an auger including a first inner section and a second outer section pivotally attached to the first section for

Friesen

Attorney Docket No. P05453US0

movement between transport and discharge positions, and including a gas cylinder to facilitate movement of the second section between the transport and discharge positions.

Claims 20-26 (Cancelled)

Claim 27 (Previously presented): The improved trailer of claim 1 wherein each guide plate extends outwardly at an obtuse angle from the bed.

Claim 28 (Previously presented): The improved trailer of claim 1 wherein the guide plates define an enlarged box entrance sloping downwardly and inwardly toward the bed so that the box will automatically center on the bed when loaded onto the bed.